Esma Ugur

List of Publications by Year in Descending Order

19 papers	705 citations	12 h-index	20 g-index
20 ext. papers	1,118 ext. citations	16.8 avg, IF	3.72 L-index

#	Paper	IF	Citations
19	Damp heat-stable perovskite solar cells with tailored-dimensionality 2D/3D heterojunctions.. *Science*, **2022**, eabm5784	33.3	57
18	Photon recycling in perovskite solar cells and its impact on device design. *Nanophotonics*, **2021**, 10, 2023-2042	6.5	9
17	Tin Oxide Electron-Selective Layers for Efficient, Stable, and Scalable Perovskite Solar Cells. *Advanced Materials*, **2021**, 33, e2005504	24	70
16	Concurrent cationic and anionic perovskite defect passivation enables 27.4% perovskite/silicon tandems with suppression of halide segregation. *Joule*, **2021**, 5, 1566-1586	27.8	43
15	Toward Stable Monolithic Perovskite/Silicon Tandem Photovoltaics: A Six-Month Outdoor Performance Study in a Hot and Humid Climate. *ACS Energy Letters*, **2021**, 6, 2944-2951	20.1	9
14	Eco-Friendly Spray Deposition of Perovskite Films on Macroscale Textured Surfaces. *Advanced Materials Technologies*, **2020**, 5, 1901009	6.8	15
13	Impact of Residual Lead Iodide on Photophysical Properties of Lead Triiodide Perovskite Solar Cells. *Energy Technology*, **2020**, 8, 1900627	3.5	8
12	How Humidity and Light Exposure Change the Photophysics of Metal Halide Perovskite Solar Cells. *Solar Rrl*, **2020**, 4, 2000382	7.1	13
11	Enhancing the Charge Extraction and Stability of Perovskite Solar Cells Using Strontium Titanate (SrTiO3) Electron Transport Layer. *ACS Applied Energy Materials*, **2019**, 2, 8090-8097	6.1	26
10	Carrier Extraction from Perovskite to Polymeric Charge Transport Layers Probed by Ultrafast Transient Absorption Spectroscopy. *Journal of Physical Chemistry Letters*, **2019**, 10, 6921-6928	6.4	11
9	Room-Temperature-Sputtered Nanocrystalline Nickel Oxide as Hole Transport Layer for p□□ Perovskite Solar Cells. *ACS Applied Energy Materials*, **2018**, 1, 6227-6233	6.1	57
8	A Universal Double-Side Passivation for High Open-Circuit Voltage in Perovskite Solar Cells: Role of Carbonyl Groups in Poly(methyl methacrylate). *Advanced Energy Materials*, **2018**, 8, 1801208	21.8	268
7	Improved Morphology and Efficiency of n□□ Planar Perovskite Solar Cells by Processing with Glycol Ether Additives. *ACS Energy Letters*, **2017**, 2, 1960-1968	20.1	39
6	Non-toxic and environmentally friendly route for preparation of copper indium sulfide based thin film solar cells. *Journal of Alloys and Compounds*, **2015**, 640, 468-474	5.7	12
5	Spray Pyrolysis of Nano-Structured Optical and Electronic Materials **2015**, 127-181		2
4	Charge Carrier Recombination at Perovskite/Hole Transport Layer Interfaces Monitored by Time-Resolved Spectroscopy. *ACS Energy Letters*,4155-4164	20.1	2
3	Linked Nickel Oxide/Perovskite Interface Passivation for High-Performance Textured Monolithic Tandem Solar Cells. *Advanced Energy Materials*,2101662	21.8	19

List of Publications

2	Ligand-bridged charge extraction and enhanced quantum efficiency enable efficient n-p perovskite/silicon tandem solar cells. *Energy and Environmental Science*,	35.4	26
1	Unleashing the Full Power of Perovskite/Silicon Tandem Modules with Solar Trackers. *ACS Energy Letters*,1604-1610	20.1	2